

X-keys® SE

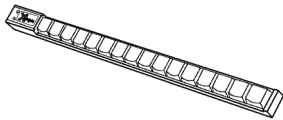
USB Programmable Keyboards by
P.I. Engineering, Inc.



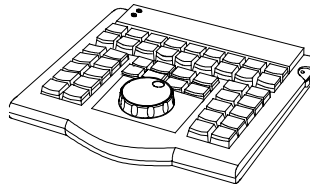
***X-keys® SE
Desktop***
(20 keys)



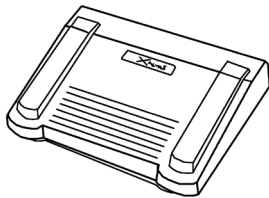
***X-keys® SE
Professional***
(58 keys)



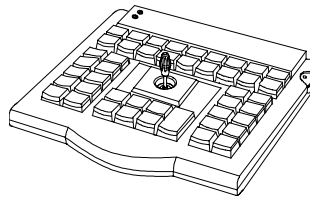
***X-keys® SE
Stick***
(16 keys)



***X-keys® SE
Jog & Shuttle
Editor***
(46 keys + integrated
Jog & Shuttle wheel)



***X-keys® SE
Foot Pedal***
(3 switches)



***X-keys® SE
Joystick
Controller***
(46 keys + integrated
precision joystick)

Preliminary Product Manual

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August, 03



X-keys USB Programmable Keyboards - Quick Start

Compatibility:

X-keys SE USB devices require X-keys Macro Works Software. Macro Works is compatible with all Windows Operating Systems which support USB. This includes Windows 98 SE, Windows 2000, and Windows XP.

How to Install X-keys Macro Works Software:

1. Exit any applications you are running, and insert the Macro Works Installation CD into your CD-ROM drive.
2. If autorun doesn't start, double click on the file "MWSetup.exe" on the CD.
3. Follow the Installation Wizard directions to install the program and load the driver.
4. Wait for the hour glass to disappear before selecting the option to restart your computer.
5. When computer reboots, wait for the system to completely load (icons appear on the desktop).
6. Launch X-keys Macro Maker.

Should you encounter difficulty installing any of our X-keys products, please contact our technical support department:

Phone: (517) 655-5523 or E-mail: tech@xkeys.com

How to Operate your X-keys with Macro Works Software:

X-keys Macro Works consist of two separate applications: X-keys Macro Maker and X-keys Macro Manager. Macro Maker is used to program keys and other controls (Joystick or Jog & Shuttle) on an X-keys SE device and creates a layout file which is stored on the computer's hard drive. Macro Manager selects a layout file and assigns it to the appropriate X-keys SE keyboard. Macro Manager supports multiple X-keys SE keyboards and allows the user to easily change layouts.

X-keys Macro Maker can be launched by the conventional method of clicking its icon or selecting the application in the Program Files folder, or by sliding the Programming Switch (upper right corner) up so that the red dot is visible.

Note: The programming switch for the X-keys Stick is located on the left side, next to the USB cable. On the X-keys Foot Pedal, the Programming switch is located inside, under the center pedal to prevent accidental activation.

1. Start X-keys Macro Maker and select the Editor from the Device menu.
2. Select a key or control to program by clicking on it with the mouse.
3. Choose desired function; Create/Edit macro for keystroke macros, Mouse clicks, Scrolls, Game Buttons, Layer Shift key, etc.
4. To create a macro, first enter a brief description in the Comment box. Next click the **Start** button. Begin typing, all keystrokes will be captured. Click **Stop** to end programming (to redo the macro, click Start again). When finished click **OK**.
5. Continue steps 2. through 4. until all desired keys are programmed.
6. Save the "layout" by selecting **Save** or **Save As** from the File menu.
7. Select **Assign to Device** from the File menu to set this file as the default "layout" for Macro Manager.

8. Closing the Window or Sliding the program switch will close Macro Maker.

X-keys Macro Manager can be launched by the conventional method of clicking its icon or selecting the application in the Program Files folder. After the initial installation, X-keys Macro Manager will launch automatically when Windows starts and appear as an icon in your Windows Task Bar. Settings in Macro Manager will be saved upon exit of Windows.

1. Start X-keys Macro Manager. The "layout" that was present when **Assign to Device** was selected in Macro Maker should appear as the Associated Layout.
2. Click **OK**. Your X-keys is ready to use.

To change to a different "layout":

1. Click in the **Associated Layout** window and select **Load Layout**.
2. Select the desired layout from the list.
3. Click **OK**.

To change to a different X-keys device:

1. Click on the pull down arrow in the **Device** window and select one of the listed devices.
2. Select the desired X-keys device from the list.
3. The default layout for that device will appear in the **Associated Layout** window.
4. Click **OK**.

Editing the Layout in Macro Maker:

Macro Maker records each individual key press and release and may even be set to record the time delay between keystrokes. Pauses between keystrokes may be added and modified as needed to achieve the proper response from an application. Often it is necessary to create a pause after launching an application or opening a window to allow the operating system or application to catch up to the X-keys.

After making changes to a layout, it is necessary to save the layout, and refresh it in Macro Manager by opening Macro Manager and clicking the OK button.

Identifying the Keys:

The sticker sheet included with your X-keys is provided for hand written legends. The keycaps snap off with a fingernail or small screwdriver. Apply the label under the keycap, and replace it. To print legends on a laser or inkjet printer, go to our web site (www.xkeys.com) for templates formatted for popular applications. The key caps hold a legend 0.575" wide and 0.5" high (14.6mm x 12.7mm).

Horizontal and Vertical Double-keys:

Horizontal and/or vertical double-keys can replace two single keys on the X-keys Pro and/or X-keys Desktop. One of the keys must be disabled for a double key to function properly. To install a double key cap, remove two adjacent keys, with the provided key-puller by positioning the key-puller teeth under the key and pulling straight up on the key cap. Press the double-key in place over the two exposed switch stems.

NOTE: Various assortments of horizontal, vertical and large square replacement keys are available from P.I. Engineering. Visit our web site (xkeys.com) or call us for more information.

Box Contents

- X-keys Device
- Two vertical double-keys*
- One horizontal double-key*
- One key-puller*
- Instruction manual

Additional Accessories**

- Basic Accessory Pack:
 - ✓ Two vertical double-keys
 - ✓ One horizontal double-key
 - ✓ One key-puller
- Vertical Keys Pack contains 10 vertical double-keys
- Horizontal Keys Pack contains 10 horizontal double-keys
- Single Keys Pack contains 10 single keys
- Square Key Pack contains 4 square keys (one square key replaces 4 single keys)

**Not included with X-keys Foot Pedal or Stick*

***Available from P.I. Engineering (visit: xkeys.com)*

How to Find Us

Address: 101 Innovation Parkway
Williamston, MI 48895
U.S.A.

Telephone: 517/655-5523 • 800/628-3185

Fax: 517/655-4926

Web: www.ymouse.com or www.xkeys.com

E-mail: Sales Department ➤ info@ymouse.com
Technical Support ➤ tech@ymouse.com

FCC Declaration of Conformity

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

LIMITED WARRANTY

For all **X-keys** products purchased and installed in the United States and Canada, P.I. Engineering warrants that the **X-keys** product will be free from defects in materials and workmanship under normal use and service, and will meet the specifications presented by P.I. Engineering at the time of original purchase, for one year as evidenced by a copy of the purchase receipt. Under this warranty, P.I. Engineering will, at its sole option, repair or replace any **X-keys** product which is defective, provided that you are responsible for (i) the cost of transportation of the product to P.I. Engineering or its designated service facility, and (ii) any loss or damage to the product resulting from such transportation.

Upon discovery of a defect in the product within the Warranty Period, you should notify P.I. Engineering Technical Support via telephone to obtain an RMA (return authorization number) and instructions for shipping the product to a service location designated by P.I. Engineering. You should send the product, shipping charges prepaid, to the designated location, accompanied by the return authorization number, your name, address, and telephone number, proof of purchase, and a description of the defect. P.I. Engineering will pay for return of product(s) to the customer.

P.I. Engineering shall have no responsibility to repair or replace the **X-keys** product if the failure has resulted from accident, abuse, mutilation, misuse, or repair/modification performed by any entity other than P.I. Engineering.

THIS WARRANTY IS EXCLUSIVE OF ALL OTHER WARRANTIES, WHETHER EXPRESSED, IMPLIED, OR STATUTORY. P.I. ENGINEERING DOES NOT WARRANT THIS **X-keys** PRODUCT FOR FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. P.I. ENGINEERING AND ITS EMPLOYEES SHALL NOT BE HELD LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES, EVEN IF ADVISED OF THEIR POSSIBILITY, ARISING OUT OF THE USE OR INABILITY TO USE THIS PRODUCT. SOME STATES DO NOT ALLOW FOR THE EXCLUSION OR LIMITATION OF CERTAIN LIABILITIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH VARY FROM STATE TO STATE.

In the event that the above limitations are held unenforceable, P.I. Engineering's liability for any damages to you or to any party shall not exceed the purchase price you paid, regardless of the form of any claim.

This limited warranty is valid for and only applies to products purchased and used inside the United States (and its territories) and Canada.

This limited warranty is governed by the laws of the United States of America and the state of Michigan.

X-keys Electronic design: P.I. Engineering, Inc., Williamston, Michigan
X-keys Pro & Desktop industrial design: Rienhold Weiss Design, Chicago, Illinois
Patent # 4964075

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PS/2 is a registered trademark of International Business Machines, Inc. All other trademarks are property of their respective owners.

Products from P.I. Engineering

Visit our web site (www.xkeys.com) for detailed descriptions

Y-mouse[®] Dual Mouse Adapter:

- Use a mouse and a trackball simultaneously on a single port (PS/2 or Serial)
- Great for adding an alternative pointing device to your system

Y-key key[®] Dual Keyboard Adapter:

- Use two keyboards on one computer
- Great for adding an alternative keyboard to your system

Y-mouse[®] Keyboard and Mouse Adapter for USB:

- Convert standard PC (PS/2) keyboards or mice to USB
- Like a mini docking station on your laptop

Y-see two[®] Video Splitter:

- Connect two monitors to a single video port
- Great for presentations to clients or classes

X-keys[®] Pro

- 58 user reprogrammable keys
- Put all of your shortcuts at your fingertips

X-keys[®] Desktop

- 20 user reprogrammable keys
- An efficient companion to your keyboard

X-keys[®] Stick

- 16 user reprogrammable keys
- Add 16 function keys to your keyboard

X-keys[®] Foot Pedal:

- 3 user reprogrammable pedals
- Use your foot to activate keyboard commands or mouse clicks.

X-keys[®] Switch Interface:

- 12 ports for 1/8" mini plugs
- Any external switch can activate keyboard commands

X-keys[®] Controller:

- Precision MDM joystick integrated with 46 programmable keys
- For any application requiring accurate, reliable control

X-keys[®] Editor:

- Jog & Shuttle knob integrated with 46 programmable keys
- Great for non-linear editing applications

Custom/OEM Products:

- Y-mouse & Y-key key boards add dual ports to your OEM system
- X-keys matrix boards create a programmable key matrix for your custom input device

RailDriver

Visit our web site (www.raildriver.com) for detailed descriptions

- Train Cab Controls & Cyclopedias
- Resources for the scale or digital train modeler